

## EXAMINER'S AMENDMENT AND REASONS FOR ALLOWANCE

### Examiner's Amendment

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mary Lou Wakimura (Reg. No. 31,804) on April 23, 2007.

The application has been amended as follows:

Cancel claims 2, 3, 11, and 12.

Amend claim 1 as follows:

At line 6, after the limitation "object" insert ", wherein the step of using the generative model further includes the steps of: calculating a distance from the respective generative model to any other generative models based on a distance metric, wherein the distance metric includes any one of Kullback-Leibler type distances and Arithmetic-Harmonic Sphericity distance; and using the calculated distance to classify, identify or verify the object"

Amend claim 4 as follows:

At line 4, delete "2" and replace it with "1"

Amend claim 10 as follows:

At line 8, after the limitation "model" <sup>insert</sup> <sub>Λ</sub>, wherein the determination module further calculates a distance from the respective generative model to any other generative model

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